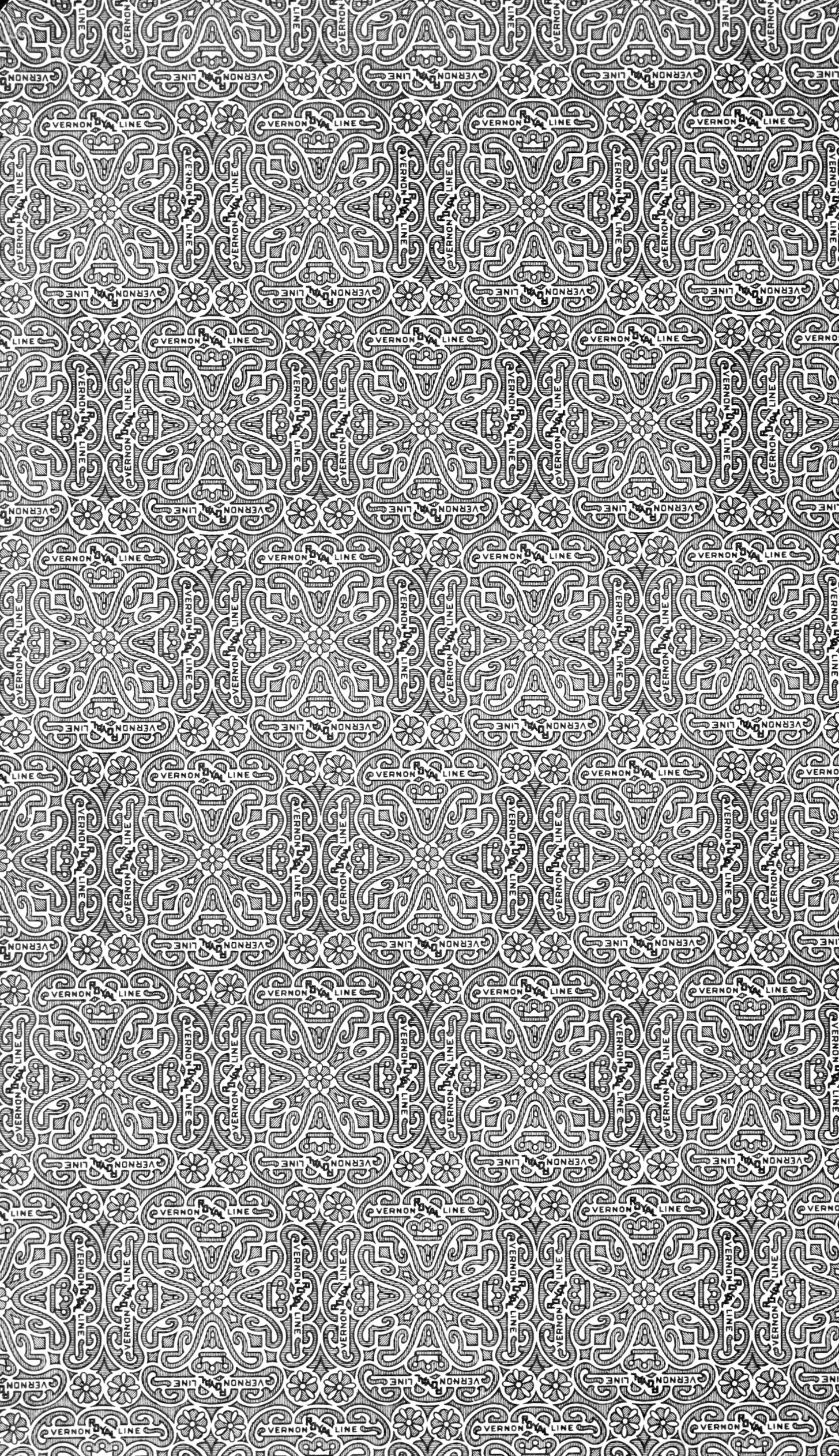

VERNON ROYAL LINE

Colcemyt

Record on columns 61 - 65 which type cells are actually dividing in following manner:

	1°	2°	tids	mature sperm
dividing	1	1	1	1
not	2	2	2 (meiotic phasing)	2

Celomyst

No. _____ Date _____

Spermatogenic Condition _____

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$		

Sertoli Cells: _____

Remarks: _____

_____

_____

_____

_____

No. 16-10 Date 10/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	75	247.5	21	69.3
2	64	211.2	21	69.3
3	56	184.8	19	62.7
4	54	178.2	21	69.3
5	70	231.0	16	52.8
6	68	224.4	15	49.5
7	64	211.2	17	56.1
8	63	207.9	20	66.0
9	58	191.4	12	39.6
10	78	257.4	20	66.0
T		2145.0		600.6
$\bar{x}$		214.5		60.1

Sertoli Cells: seen

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. Height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
X			

Sertoli Cells: _____

Remarks: _____

No. 16-11 Date 1/4/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	55 - 181.5	8 - 26.4
2	59 194.7	12 39.6
3	57 188.1	16 52.8
4	49 161.7	15 49.5
5	54 178.2	10 33.0
6	56 184.8	16 52.8
7	68 224.4	16 52.8
8	61 201.3	12 39.6
9	51 168.3	9 29.7
10	69 227.7	15 49.5
T	1910.7	425.7
$\bar{x}$	191.1	42.6

Sertoli Cells: seen

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Ī			
Ī̄			

Sertoli Cells: _____

Remarks: _____

No. 16-12 Date 10/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	60 - 198.0	13 - 42.9
2	62 204.6	17 56.1
3	63 207.9	19 62.7
4	66 217.8	14 46.2
5	67 221.1	14 46.2
6	62 204.6	15 49.5
7	53 174.9	6 19.8
8	57 188.1	11 36.3
9	54 178.2	15 49.5
10	56 184.8	18 59.4
T	1980.0	468.6
$\bar{x}$	198.0	46.9

Sertoli Cells: not seen

Remarks:

No. _____ Date _____

Spermatogenic Condition

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
$\bar{x}$			

Sertoli Cells: _____

Remarks: _____

No. 16-13 Date 10/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	76 - 250.8	11 - 36.3
2	60 198.0	14 46.2
3	75 247.5	15 49.5
4	65 214.5	12 39.6
5	61 201.3	12 39.6
6	68 224.4	13 42.9
7	73 240.9	17 56.1
8	75 247.5	15 49.5
9	61 201.3	20 66.0
10	75 247.5	13 42.9
T	2273.7	468.6
$\bar{x}$	227.4	46.9

Sertoli Cells: Dem

Remarks:

No. 16-14 Date 10/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	72	237.6	22	72.6
2	74	244.2	10	33.0
3	69	227.7	17	56.1
4	66	217.8	11	36.3
5	53	174.9	10	33.0
6	59	194.7	20	66.0
7	51	168.3	17	56.1
8	66	217.8	13	42.9
9	57	188.1	17	56.1
10	57	188.1	15	49.5
T		2059.2		501.6
$\bar{x}$		205.9		50.2

Sertoli Cells: not seen

Remarks:

No. 16-21 Date 1/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	61 - 201.3	16 - 52.8
2	66 217.8	16 52.8
3	53 174.9	16 52.8
4	64 211.2	10 33.0
5	70 231.0	9 29.7
6		
7		
8		
9		
10		
T	1036.2	221.1
$\bar{x}$	207.2	44.2

Sertoli Cells: Rear

Remarks:

No. 16-22 Date V/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 188.1	14 - 46.2
2	51 168.3	10 33.0
3	43 141.9	9 29.7
4	65 214.5	11 36.3
5	46 151.8	13 42.9
6	58 191.4	15 49.5
7	42 138.6	16 52.8
8	64 211.2	13 42.9
9	45 148.5	15 49.5
10	52 171.6	15 49.5
T	1725.9	432.3
$\bar{x}$	172.6	43.2

Sertoli Cells: seen

Remarks:

No. 16-23 Date 4/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	72 - 237.6	21 - 69.3
2	60 198.0	11 36.3
3	78 257.4	13 42.9
4	81 267.3	8 26.4
5		
6		
7		
8		
9		
10		
T	960.3	174.9
$\bar{x}$	240.1	43.7

Sertoli Cells: seen

Remarks: major portion of each tubule sloughed into center

No. 16-24 Date 4/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	50 - 165.0	11 - 36.3
2	66 217.8	16 52.8
3	59 194.7	10 33.0
4		
5		
6		
7		
8		
9		
10		
T	577.5	122.1
$\bar{x}$	192.5	40.7

Sertoli Cells: not seen

Remarks:

No. 16-28 Date 1/6/59

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	43 - 141.9	
2	47 155.1	
3	39 128.7	
4	39 128.7	
5	58 191.4	
6	50 165.0	
7	34 112.2	
8	43 141.9	
9		
10		
T	1164.9	
$\bar{x}$	145.6	

Sertoli Cells: seen

Remarks: probably a late 7 but lumens indistinct

No. 16-29 Date 1/059

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	63 - 207.9	12 - 39.6
2	73 240.9	17 56.1
3	62 204.6	15 49.5
4	100 330.0	16 52.8
5	62 204.6	15 49.5
6	69 227.7	19 62.7
7	63 207.9	15 49.5
8		
9		
10		
T	1623.6	359.7
$\bar{x}$	231.9	51.4

Sertoli Cells: seen

Remarks:

No. _____

Experimental Results

Experimental Coal Measures Section.	Sheet Number Turbine Size.	Production Gross. Nuggets
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Σ		
x̄		

Detailed Calcs: _____

Remarks: _____

No. 16-30 Date 11/6/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	58 - 191.4	19 - 62.7
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$	191.4	62.7

Sertoli Cells: seen

Remarks: Tubules shattered

No. 16-31 Date 11/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	56	191.4	15	49.5
2	55	181.5	13	42.9
3	61	201.3	11	36.3
4	59	194.7	19	62.7
5	58	191.4	15	49.5
6	53	174.9	14	46.2
7	62	204.6	21	69.3
8	52	171.6	20	66.0
9	59	194.7	11	36.3
10	56	184.8	14	46.2
T		1890.9		504.9
$\bar{x}$		189.1		50.5

Sertoli Cells: seen

Remarks:

No. 16-32 Date V/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	47	155.1	11	36.3
2	53	174.9	17	56.1
3	55	181.5	17	56.1
4	50	165.0	10	33.0
5	50	165.0	10	33.0
6	62	204.6	10	33.0
7	48	158.4	11	36.3
8	54	178.2	12	39.6
9	52	171.6	11	36.3
10	48	158.4	11	36.3
T		1712.7		396.0
$\bar{x}$		171.3		39.6

Sertoli Cells: Seen

Remarks:

No. 16-33 Date 4/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	38 — 120.4	11 — 36.3
2	47 155.1	11 36.3
3	45 148.5	14 46.2
4	46 151.8	8 26.4
5	44 145.2	15 49.5
6	44 145.2	12 39.6
7	46 151.8	16 52.8
8		
9		
10		
T	1023.0	287.1
$\bar{x}$	146.1	41.0

Sertoli Cells: seen

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

	Interstitial cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
$\bar{x}$			

Serious Cells: _____

Remarks: _____

No. 16-39 Date 11/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	67 - 221.1	17 - 56.1
2	81 267.3	12 39.6
3	61 201.3	12 39.6
4		
5		
6		
7		
8		
9		
10		
T	689.7	135.3
$\bar{x}$	229.9	45.1

Sertoli Cells:

Remarks: small piece of testis

No. 16-42 Date 01/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	13 - 42.9
2	50 165.0	11 36.3
3	50 165.0	11 36.3
4	43 141.9	11 36.3
5	53 174.9	13 42.9
6	51 168.3	20 66.0
7	53 174.9	10 33.0
8		
9		
10		
T	1188.0	293.7
$\bar{x}$	169.7	42.0

Sertoli Cells: seen

Remarks: Tubules broken in some areas

No. 16-43 Date VI/59

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	43 - 141.9	10 - 33.0
2	85 280.5	15 49.5
3	51 168.3	14 46.2
4	56 184.8	15 49.5
5	54 178.2	13 42.9
6	60 198.0	12 39.6
7	51 168.3	23 75.9
8	45 148.5	15 49.5
9	59 194.7	12 39.6
10	53 174.9	19 62.7
T	1838.1	488.4
$\bar{x}$	183.8	48.8

Sertoli Cells: seen

Remarks: cells divide in concentric circles instead of wedges; 2° spermatocyte nuclei have irregular instead of regular shape

E = 46.2 μ (3)

No. 16-44 Date 11/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	81 - 267.3	20 - 66.0
2	100 330.0	20 66.0
3	105 346.5	18 59.4
4	86 283.8	12 39.6
5		
6		
7		
8		
9		
10		
T	1227.6	231.0
$\bar{x}$	306.9	57.8

Sertoli Cells: seen

Remarks:

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

No. 16-45 Date VI/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	59	194.7	15	49.5
2	72	237.6	13	42.9
3	88	290.4	25	82.5
4	75	247.5	16	52.8
5	78	257.4	16	52.8
6	55	181.5	15	49.5
7	64	211.2	22	72.6
8	58	191.4	12	39.6
9	51	168.3	16	52.8
10	83	273.9	22	72.6
T		2253.9		567.6
$\bar{x}$		225.4		56.8

Sertoli Cells: seen

Remarks:

No. 16-46 Date 01/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	55 181.5	13 42.9
2	57 188.1	8 26.4
3	64 211.2	13 42.9
4	70 231.0	7 23.1
5	60 198.0	11 36.3
6	61 201.3	16 52.8
7	65 214.5	23 75.9
8	65 214.5	21 69.3
9	57 188.1	17 56.1
10	45 148.5	14 46.2
T	1976.7	471.9
$\bar{x}$	197.7	47.2

Sertoli Cells: seen

Remarks: 2° spermatocyte nuclei lighter than ~~others~~ those in iguanid genera

No. 16-47 Date 01/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	81	267.3	20	66.0
2	88	290.4	15	49.5
3	53	174.9	12	39.6
4	46	151.8	16	52.8
5	60	198.0	20	66.0
6	54	178.2	13	42.9
7	75	247.5	10	33.0
8	45	148.5	11	36.3
9	59	194.7	19	62.7
10	46	151.8	9	29.7
T		2003.1		478.5
$\bar{x}$		200.3		47.8

Sertoli Cells: Neu

Remarks:

No. 16-56 Date 1/10/59

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	70 - 231.0	13 - 42.9
2	63 207.9	13 42.9
3		
4		
5		
6		
7		
8		
9		
10		
T	438.9	
$\bar{x}$	219.4	42.9

Sertoli Cells: seen

Remarks: sections cut wrong for many lumens to be visible

No. 16-57 Date 4/10/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	65	214.5	20	66.0
2	61	201.3	14	46.2
3	73	240.9	20	66.0
4	50	165.0	17	56.1
5	65	214.5	13	42.9
6	71	234.3	20	66.0
7	60	198.0	15	49.5
8	64	211.2	7	23.1
9	50	165.0	12	39.6
10	65	214.5	20	66.0
T		2059.2		521.4
$\bar{x}$		205.9		52.1

Sertoli Cells: seen

Remarks:

No. _____ Date _____

Spermatogenic Cornuta

	Interstitial Cell nucleus diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
$\bar{x}$			

Sertoli Cells: _____

Remarks: _____

No. 16-58 Date 4/10/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	45	148.5	11	36.3
2	55	181.5	6	19.8
3	64	211.2	10	33.0
4	52	171.6	15	49.5
5	71	234.3	18	59.4
6				
7				
8				
9				
10				
T	947.1		198.0	
$\bar{x}$	189.4		39.6	

Sertoli Cells: seen

Remarks:

No. 16-63 Date VIII/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	83 - 273.9	20 - 66.0
2	73 240.9	22 72.6
3	59 194.7	11 36.3
4	50 165.0	13 42.9
5	59 194.7	21 69.3
6	49 161.7	13 42.9
7	55 181.5	18 59.4
8	67 221.1	19 62.7
9	70 231.0	15 49.5
10	49 161.7	10 33.0
T	2026.2	534.6
$\bar{x}$	202.6	53.5

Sertoli Cells: seen

Remarks:

No. 16-64 Date VIII/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	16 - 52.8
2	72 237.6	15 49.5
3	57 188.1	15 49.5
4	48 158.4	15 49.5
5	60 198.0	18 59.4
6	72 237.6	21 69.3
7	52 171.6	19 62.7
8		
9		
10		
T	1405.8	392.7
$\bar{x}$	200.8	56.1

Sertoli Cells: seen

Remarks:

No. 16-65 Date VIII/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	43 - 141.9	12 - 39.6
2	41 135.3	9 29.7
3	42 138.6	13 42.9
4	51 168.3	20 66.0
5	56 184.8	23 75.9
6	53 174.9	11 36.3
7	53 174.9	16 52.8
8	43 141.9	14 46.2
9	47 155.1	10 33.0
10	52 171.6	12 39.6
T	1587.3	462.0
$\bar{x}$	158.7	46.2

Sertoli Cells: seen

Remarks:

No. 16-66 Date VIII/59

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	70. - 231.0	13 - 42.9
2	61 201.3	10 33.0
3	76 250.8	17 56.1
4	86 283.8	15 49.5
5	52 171.6	24 79.2
6	79 260.7	14 46.2
7	70 231.0	24 79.2
8		
9		
10		
T	1630.2	386.1
$\bar{x}$	232.9 ~~23.3~~	55.2

Sertoli Cells: clear

Remarks:

No. 16-68 Date Vol 1/59

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	24 - 69.3	
2	19 62.7	
3	25 82.5	
4	25 82.5	
5	25 82.5	
6	24 79.2	
7	28 92.4	
8	25 82.5	
9	26 85.8	
10	24 79.2	
T	798.6	
$\bar{x}$	79.9	

Sertoli Cells: seen

Remarks: possibly a gland?

No. 16-49 Date VIII/59

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	60 - 198.0	11 - 36.3
2	53 174.9	15 49.5
3	48 158.4	9 29.7
4	64 211.2	20 66.0
5	55 181.5	18 59.4
6		
7		
8		
9		
10		
T	924.0	240.9
$\bar{x}$	184.8	48.2

Sertoli Cells: not seen

Remarks:

E = 49.5 μ (2)

No. 16-70 Date IX/59

Spermatogenic Condition

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$		

Sertoli Cells:

Remarks: no testes

E = 16.5 μ

2 + debris

No. 16-71 Date 1x 59

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	20 - 66.0	
2	22 72.6	
3	26 85.8	
4	25 82.5	
5	39 128.7	
6	27 89.1	
7	22 72.6	
8	20 66.0	
9	20 66.0	
10	30 99.0	
T	828.3	
$\bar{x}$	82.8	

Sertoli Cells: seen

Remarks:

No. 16-72 Date X/59

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	15 — 49.5	
2	13 42.9	
3	15 49.5	
4	13 42.9	
5	13 42.9	
6	14 46.2	
7	15 49.5	
8	13 42.9	
9	16 52.8	
10	13 42.9	
T	462.0	
$\bar{x}$	46.2	

Sertoli Cells: ?

Remarks:

No. 16-73 Date X/59

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	24 - 79.2	9 - 29.7
2	37 122.1	13 42.9
3	36 118.8	14 46.2
4	35 115.5	10 33.0
5	35 115.5	9 29.7
6	41 135.3	10 33.0
7	34 112.2	9 29.7
8	32 105.6	11 36.3
9	40 132.0	14 46.2
10	32 105.6	8 26.4
T	1141.8	353.1
$\bar{x}$	114.2	35.3

Sertoli Cells: seen ?

Remarks:

No. 16-74 Date X/5-9

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	52 - 171.6	
2	51 168.3	
3	40 132.0	
4	33 108.9	
5	53 174.9	
6	30 99.0	
7	40 132.0	
8	54 178.2	
9	49 161.7	
10	40 132.0	
T	1458.6	
$\bar{x}$	145.9	

Sertoli Cells:

Remarks:

No. 16-76 Date X/59

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	40 -	132.0	11 -	36.3
2	47	155.1	16	52.8
3	62	204.6	14	46.2
4	53	174.9	12	39.6
5	66	217.8	21	69.3
6	62	204.6	20	66.0
7	40	132.0	10	33.0
8	50	165.0	10	33.0
9				
10				
T		1386.0		376.2
$\bar{x}$		173.2		47.0

Sertoli Cells:

Remarks:

No. 16-77 Date X/59 8

Spermatogenic Condition

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	30 - 99.0	
2	27 89.1	
3	26 85.8	
4	34 112.2	
5	32 105.6	
6	32 105.6	
7	32 105.6	
8	30 99.0	
9	30 99.0	
10	27 89.1	
T	990.0	
$\bar{x}$	99.0	

Sertoli Cells:

Remarks:

No. 16-80 Date X/59

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	45 - 148.5	
2	42 138.6	
3	45 148.5	
4	43 141.9	
5	49 161.7	
6	45 148.5	
7	44 145.2	
8	53 174.9	
9	40 132.0	
10	44 145.2	
T	1485.0	
$\bar{x}$	148.5	

Sertoli Cells:

Remarks:

No. 16-81 Date X/59

Spermatogenic Condition 3

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	48 - 158.4	13 - 42.9
2	38 125.4	12 39.6
3	44 145.2	10 33.0
4		
5		
6		
7		
8		
9		
10		
T	429.0	115.5
$\bar{x}$	143.0	38.5

Sertoli Cells:

Remarks: Stain faint, tissue falling apart

No. 16-8.2 Date X 10/59

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	45 - 148.5	13 - 42.9
2	38 125.4	13 42.9
3	46 151.8	11 36.3
4	52 171.6	20 66.0
5	47 155.1	13 42.9
6	43 141.9	13 42.9
7	43 141.9	10 33.0
8		
9		
10		
T	1036.2	306.9
$\bar{x}$	148.0	30.7

Sertoli Cells:

Remarks:

No. _____ Date _____

Experiment Conducted _____

Individual Cell Measurements			Resultants	
Number Class.	Cycle Class.		Mgth.	Height
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				
9				
10				
T	[illegible]		[illegible]	[illegible]
X	[illegible]		[illegible]	[illegible]

Control Cells: _____

Remarks: _____

No. 16-8.3 Date 14/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	55 - 181.5	13 - 42.9
2	41 135.3	18 59.4
3	35 115.5	13 42.9
4	43 141.9	15 49.5
5	47 155.1	15 49.5
6	49 161.7	14 46.2
7	44 145.2	16 33.0
8	42 138.6	16 52.8
9	48 158.4	18 59.4
10	53 174.9	19 62.7
T	1508.1	498.3
$\bar{x}$	150.8	49.8

Sertoli Cells: seen

Remarks:

No. 16-84 Date 11d/60

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	48 - 158.4	12 - 39.6
2	48 158.4	13 42.9
3	46 151.8	19 62.7
4	45 148.5	15 49.5
5		
6		
7		
8		
9		
10		
T	617.1	194.7
$\bar{x}$	154.3	48.7

Sertoli Cells:

Remarks:

No. 16-85 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	73 - 240.9	14 - 46.2
2	67 221.1	15 49.5
3	68 224.4	12 39.6
4	52 171.6	11 36.3
5	57 188.1	15 49.5
6	60 198.0	18 59.4
7	86 283.8	17 56.1
8	85 280.5	14 46.2
9	68 224.4	15 49.5
10	64 211.2	15 49.5
T	2244.0	481.8
$\bar{x}$	224.4	48.2

Sertoli Cells:

Remarks:

No. 16-86 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	77 - 254.1	17 - 56.1
2	68 224.4	15 49.5
3	62 204.6	14 46.2
4	53 174.9	10 33.0
5	65 214.5	22 72.6
6	65 214.5	10 33.0
7	60 198.0	13 42.9
8	56 184.8	11 36.3
9	67 221.1	25 82.5
10	57 188.1	15 49.5
T	2079.0	501.6
$\bar{x}$	207.9	50.2

Sertoli Cells:

Remarks:

No. 16-88 Date 1/60

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	40 - 151.8	11 - 36.3
2	53 174.9	16 52.8
3	35 115.5	8 26.4
4	42 138.6	15 49.5
5	43 141.9	15 49.5
6	54 178.2	11 36.3
7	38 125.4	10 33.0
8	56 184.8	11 36.3
9	38 125.4	15 49.5
10	58 191.4	20 66.0
T	1527.9	435.6
$\bar{x}$	152.8	43.6

Sertoli Cells: none

Remarks:

No. 16-92 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	57 - 188.1	11 - 36.3
2	76 250.8	25 82.5
3	67 221.1	22 72.6
4	59 194.7	20 66.0
5	71 234.3	20 66.0
6	48 158.4	19 62.7
7	62 204.6	18 59.4
8	51 168.3	15 49.5
9	75 247.5	23 75.9
10	65 214.5	23 75.9
T	2082.3	646.8
$\bar{x}$	208.2	64.7

Sertoli Cells:

Remarks:

E = 49.5 μ (3)

No. 16-94 Date 10/60

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	71 - 234.3	18 - 59.4
2	70 231.0	9 29.7
3	66 217.8	12 39.6
4	67 221.1	15 49.5
5	72 237.6	18 59.4
6	70 231.0	15 49.5
7		
8		
9		
10		
T	1372.8	287.1
$\bar{x}$	228.8	47.8

Sertoli Cells: seen

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
$\bar{x}$			

Sertoli Cells: _____

Remarks: _____

No. 16-95 Date 1V/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	85	280.5	25	82.5
2	90	297.0	25	82.5
3	88	290.4	20	66.0
4	80	264.0	20	66.0
5	72	237.6	19	62.7
6	85	280.5	21	69.3
7	73	240.9	15	49.5
8	77	254.1	19	62.7
9	85	280.5	20	66.0
10	89	293.7	16	52.8
T		2719.2		660.0
$\bar{x}$		271.9		66.0

Sertoli Cells: Rare

Remarks:

E= 56.1 μ

(2)

No. 16-96 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	72 - 237.6	14 - 46.2
2	81 267.3	19 62.7
3	59 194.7	13 42.9
4	61 201.3	11 36.3
5	56 184.8	11 36.3
6	49 161.7	10 33.0
7	65 214.5	12 39.6
8	63 207.9	13 42.9
9	74 244.2	20 66.0
10	70 231.0	13 42.9
T	2145.0	448.8
$\bar{x}$	214.5	44.9

Sertoli Cells:

Remarks:

$\bar{E}$ = 26.4 μ

(2)

No. 16 - 97 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	68 - 224.4	20 - 66.0
2	55 181.5	20 66.0
3	81 267.3	13 42.9
4	40 132.0	8 26.4
5	62 204.6	19 62.7
6	56 184.8	14 46.2
7	61 201.3	11 36.3
8	60 198.0	8 26.4
9	50 165.0	11 36.3
10	58 191.4	12 39.6
T	1950.3	448.8
$\bar{x}$	195.0	44.9

Sertoli Cells:

Remarks:

No. 16-100 Date 10/60

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	51 - 168.3	25 - 82.5
2	40 132.0	15 49.5
3	45 148.5	10 33.0
4	34 112.2	10 33.0
5	47 155.1	10 33.0
6	47 155.1	15 49.5
7	52 171.6	18 59.4
8	40 132.0	15 49.5
9	54 178.2	9 29.7
10	55 181.5	20 66.0
T	1534.5	485.1
$\bar{x}$	153.4	48.5

Sertoli Cells:

Remarks:

No. 16-102 Date 11/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	59 - 194.7	10 - 33.0
2	65 214.5	15 49.5
3	84 277.2	15 49.5
4	71 234.3	22 72.6
5	80 264.0	25 82.5
6	60 198.0	15 49.5
7	105 346.5	18 59.4
8	71 234.3	15 49.5
9	85 280.5	15 49.5
10	60 198.0	10 33.0
T	2442.0	528.0
$\bar{x}$	244.2	52.8

Sertoli Cells:

Remarks:

E= 49.5 μ

(3)

No. 16-103 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	75	247.5	14	46.2
2	65	214.5	20	66.0
3	61	201.3	16	52.8
4	78	257.4	16	52.8
5	86	283.8	18	59.4
6	65	214.5	15	49.5
7	88	290.4	18	59.4
8	65	214.5	22	72.6
9	75	247.5	17	56.1
10	57	188.1	15	49.5
T		2359.5		564.3
$\bar{x}$		236.0		56.4

Sertoli Cells:

Remarks:

No. 16-104 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	67 - 221.1	17 - [illegible]
2	73 240.9	15 [illegible]
3	55 181.5	14 [illegible]
4	61 [illegible]	16 [illegible]
5	59 [illegible]	19 [illegible]
6	50 165.0	9 [illegible]
7	56 [illegible]	14 [illegible]
8	61 [illegible]	15 [illegible]
9	84 [illegible]	34 [illegible]
10	58 [illegible]	15 [illegible]
T	2032.8	554.4
$\bar{x}$	203.3	55.4

Sertoli Cells:

Remarks:

No. 16-107 Date 10/60

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	45	10
2	45	14
3	76	14
4	67	15
5	56 - 184.8	14
6	53	15
7	66	15
8	60	15
9	44	13
10	41	10
T	1824.9	445.5
$\bar{x}$	182.5	44.6

Sertoli Cells:

Remarks:

No. 16 ~~[illegible]~~ 111 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	52 [illegible]	11 [illegible]
2	51 [illegible]	12 [illegible]
3	53 [illegible]	11 [illegible]
4	54 [illegible]	11 [illegible]
5	52 [illegible]	13 [illegible]
6	52 [illegible]	12 [illegible]
7	73 [illegible]	14 [illegible]
8	50 [illegible]	11 [illegible]
9		
10		
T	1442.1	313.4
$\bar{x}$	180.2	31.3

Sertoli Cells:

Remarks:

No. 16 - 113 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	84	24
2	106	20
3	89	11
4	83	23
5	96	23
6	86	28
7		
8		
9		
10		
T	1795.2	425.7
$\bar{x}$	299.2 ~~279~~	70.95

Sertoli Cells:

Remarks:

No. 16-114 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	80	[illegible]	14	46.2
2	72	[illegible]	18	59.4
3	57	[illegible]	16	52.8
4	49	161.7	10	33.0
5	50	264.0	15	49.5
6	54	178.2	14	46.2
7	72	237.6	19	62.7
8	70	231.0	15	49.5
9	78	257.4	30	99.0
10	87	287.1	24	79.2
T		2306.7		577.5
$\bar{x}$		230.7		57.8

Sertoli Cells:

Remarks:

E= 62.7 μ (2)

No. 16-117 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	71 - 234.3	16 - 52.8
2	60 198.0	11 36.3
3	65 214.5	24 85.8
4	60 198.0	13 42.9
5	53 174.9	20 66.0
6	70 231.0	17 56.1
7	68 224.4	15 49.5
8	57 188.1	18 59.4
9		
10		
T	1663.2	448.8
$\bar{x}$	207.9	56.1

Sertoli Cells:

Remarks:

No. 16-119 Date 10/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	81	267.3	20	66.0
2	89	293.7	26	85.8
3	71	234.3	18	59.4
4	70	231.0	16	52.8
5	56	184.8	14	46.2
6	70	231.0	15	49.5
7	89	293.7	17	56.1
8	75	247.5	14	46.2
9	82	270.6	19	62.7
10	66	217.8	18	59.4
T		2471.7		584.1
$\bar{x}$		247.2		58.4

Sertoli Cells:

Remarks:

No. 16-121 Date 10/60

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	24 - 79.2
2	65 214.5	18 59.4
3	70 231.0	15 49.5
4	78 257.4	14 46.2
5	65 214.5	20 66.0
6	82 270.6	15 49.5
7	80 264.0	16 52.8
8	70 231.0	13 42.9
9	68 224.4	22 72.6
10	92 303.6	12 39.6
T	2425.5	557.7
$\bar{x}$	242.6	55.8

Sertoli Cells:

Remarks:

No. 16-1.24 Date 11/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	80 - 264.0	14 - 46.2
2	69 227.7	12 39.6
3	70 231.0	15 49.5
4	70 231.0	15 49.5
5	69 227.7	20 66.0
6	63 207.9	21 69.3
7	67 221.1	16 52.8
8		
9		
10		
T	1610.4	372.9
$\bar{x}$	230.0 ~~221.0~~	53.3

Sertoli Cells:

Remarks:

No. 16-125 Date 10/60

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	87	287.1	20	66.0
2	63	207.9	17	52.1
3	87	287.1	19	62.7
4	60	198.0	20	66.0
5	87	287.1	18	59.4
6	97	320.1	18	59.4
7	85	280.5	20	66.0
8	75	247.5	13	42.9
9				
10				
T	2115.3		478.5	
$\bar{x}$	264.4		59.8	

Sertoli Cells:

Remarks:

No. 16-126 Date 14/60

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	69	227.7	13	42.9
2	70	231.0	15	49.5
3	51	168.3	13	42.9
4	89	293.7	16	52.8
5	85	280.5	17	56.1
6	59	194.7	20	66.0
7	86	283.8	14	46.2
8				
9				
10				
T		1679.7		356.4
$\bar{x}$		239.9		50.9

Sertoli Cells:

Remarks:

No. 16-127 Date 1/6/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	68 - 224.4	15 - 49.5
2	72 237.6	10 33.0
3	75 247.5	12 39.6
4	91 300.3	20 66.0
5	90 297.0	15 49.5
6	81 267.3	18 59.4
7	86 283.8	14 46.2
8	74 244.2	8 26.4
9	82 270.6	10 33.0
10	77 254.1	20 66.0
T	2626.8	468.6
$\bar{x}$	262.7	46.9

Sertoli Cells:

Remarks:

No. 16-128 Date 1/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	99 - 293.7	19 - 62.7
2	94 310.2	26 85.8
3	98 323.4	22 72.6
4	79 260.7	20 66.0
5	103 339.9	27 89.1
6	63 207.9	20 66.0
7	99 326.7	24 79.2
8		
9		
10		
T	2062.5	521.4
$\bar{x}$	294.6	74.5

Sertoli Cells:

Remarks:

No. 16-134 Date 4/60

Spermatogenic Condition (2) 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	77 - 234.3	17 - 56.1
2	48 158.4	18 59.4
3	39 128.7	17 56.1
4	60 198.0	16 52.8
5	52 171.6	12 39.6
6	50 165.0	15 49.5
7	70 231.0	17 56.1
8	48 158.4	18 59.4
9	73 240.9	20 66.0
10	63 207.9	14 46.2
T	1894.2	541.2
$\bar{x}$	189.4	54.1

Sertoli Cells:

Remarks:

No. 16-136 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	67	221.1	26	85.8
2	57	188.1	9	29.7
3	70	231.0	22	72.6
4	68	224.4	27	89.1
5	65	224.4	15	49.5
6	58	191.4	27	89.1
7	69	227.7	18	59.4
8	72	237.6	16	52.8
9	82	270.6	17	56.1
10	63	207.9	20	66.0
T	2224.2		650.1	
$\bar{x}$	222.4		65.0	

Sertoli Cells:

Remarks:

No. 16-137 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 168.3	15 - 49.5
2	50 165.0	12 39.6
3	54 178.2	13 42.9
4	62 204.6	14 46.2
5	62 204.6	16 52.8
6	56 184.8	12 39.6
7	53 174.9	9 29.7
8	56 184.8	15 49.5
9	58 191.4	16 52.8
10	50 165.0	14 52.8
T	1821.6	455.4
$\bar{x}$	182.2	45.5

Sertoli Cells:

Remarks:

No. 10-141 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	73 - 240.9	18 - 59.4
2	75 247.5	20 66.0
3	84 277.2	16 52.8
4	89 293.7	24 79.2
5	74 244.2	20 66.0
6	74 244.2	26 85.8
7	82 270.6	18 59.4
8		
9		
10		
T	1818.3	468.6
$\bar{x}$	259.7	66.9

Sertoli Cells:

Remarks:

No. 16-142 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	56 - 184.8	12 - 39.6
2	57 188.1	11 36.3
3	67 221.1	20 66.0
4	45 158.4	16 52.8
5	70 231.0	12 39.6
6	55 181.5	20 66.0
7	63 207.9	13 42.9
8	50 165.0	13 42.9
9	50 165.0	10 33.0
10	58 191.4	10 33.0
T	1894.2	452.1
$\bar{x}$	189.4	45.2

Sertoli Cells:

Remarks:

E= 56.1 μ (3)

No. 16-144 Date 4/60

Spermatogenic Condition

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	72 - 237.6	14 - 46.2
2	79 260.7	23 75.9
3	79 260.7	24 79.2
4	67 221.1	23 75.9
5	85 280.5	21 69.3
6	66 217.8	18 59.4
7	70 231.0	21 69.3
8	72 237.6	20 66.0
9	78 257.4	23 75.9
10	80 264.0	15 49.5
T	2468.4	666.6
$\bar{x}$	246.8	66.7

Sertoli Cells:

Remarks:

E=19.8 μ (3)

No. 16-143 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	62 - 204.6	15 - 49.5
2	69 227.7	26 85.8
3	68 224.4	29 95.7
4	67 221.1	28 92.4
5	100 330.0	30 99.0
6	71 234.3	15 49.5
7	77 254.1	25 82.5
8	88 290.4	15 49.5
9	98 323.4	23 75.9
10	63 207.9	15 49.5
T	2517.9	729.3
$\bar{x}$	251.8	72.9

Sertoli Cells:

Remarks:

No. 16-146 Date 11/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	64 - 211.2	15 - 49.5
2	78 257.4	20 66.0
3	72 237.6	20 66.0
4	73 240.9	13 42.9
5	62 204.6	14 46.2
6	60 198.0	14 46.2
7	70 231.0	25 82.5
8	68 224.4	15 49.5
9	84 277.2	20 66.0
10	60 198.0	15 - 49.5
T	2280.3	564.3
$\bar{x}$	228.0	56.4

Sertoli Cells:

Remarks:

No. 16-150 Date 4/6/60

Spermatogenic Condition 6 ~~5~~

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	63 - 207.9	12 - 39.6
2	46 151.8	13 42.9
3	63 207.9	27 89.1
4	73 240.9	14 46.2
5	61 201.3	19 62.7
6	52 171.6	13 42.9
7	57 188.1	10 33.0
8	61 201.3	15 49.5
9	73 240.9	12 39.6
10	53 174.9	11 36.3
T	1986.6	481.8
$\bar{x}$	198.7	48.2

Sertoli Cells:

Remarks:

E = 13.2 μ (4)

No. 16-152 Date 4/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	71	234.3	15	49.5
2	56	184.8	11	36.3
3	66	217.8	14	46.2
4	67	221.1	12	39.6
5	58	191.4	25	82.5
6	48	158.4	10	33.0
7	58	191.4	22	72.6
8	50	165.0	19	62.7
9	57	188.1	20	66.0
10	66	217.8	14	46.2
T		1970.1		534.6
$\bar{x}$		197.0		53.5

Sertoli Cells:

Remarks:

No. 16-155 Date VI/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	13 - 42.9
2	70 231.0	15 49.5
3	50 165.0	17 56.1
4	53 174.9	15 49.5
5	61 201.3	14 46.2
6	83 273.9	30 99.0
7	56 184.8	10 33.0
8	70 231.0	20 66.0
9	63 207.9	14 46.2
10	59 194.7	15 49.5
T	2062.5	537.9
$\bar{x}$	206.2	53.8

Sertoli Cells:

Remarks:

E = 29.7 μ

(3)

No. 16-156 Date 11/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	96 - 316.8	16 - 52.8
2	23 240.9	21 69.3
3	74 244.2	23 75.9
4	96 316.8	17 56.1
5	89 293.7	20 66.0
6	78 257.4	21 69.3
7	80 264.0	20 66.0
8	80 264.0	20 66.0
9		
10		
T	2197.8	521.4
$\bar{x}$	274.7	65.2

Sertoli Cells:

Remarks:

E=62.7 μ

No. _____ Date _____

Stereotypic Condition _____

Intermittent Coil nucleus diam.	Secondaries tubule diam.	Secondaries outer. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
X		

Small coils: _____

Remarks: _____

No. 14-164 Date IX/60

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	57	188.1	11	36.3
2	72	237.6	21	69.3
3	59	194.7	20	66.0
4	57	188.1	10	33.0
5	56	184.8	12	39.6
6	48	158.4	13	42.9
7	57	188.1	11	36.3
8	51	168.3	21	69.3
9	56	184.8	19	62.7
10	56	184.8	12	39.6
T		1877.7		495.0
$\bar{x}$		187.8		49.5

Sertoli Cells: seen

Remarks: much fewer cells/tubule

E = 26.4 μ (2)

No. 16-165 Date 1X/60

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	22 - 72.6	
2	24 85.8	
3	30 99.0	
4	21 69.3	
5	23 75.9	
6	26 85.8	
7	29 95.7	
8	25 82.5	
9	26 85.8	
10	21 69.3	
T	821.7	
$\bar{x}$	82.3	

Sertoli Cells:

Remarks:

No. 16-166 Date IX/60

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	33 - 108.9	8 - 26.4
2	29 95.7	6 19.8
3	32 105.6	15 49.5
4	36 118.8	11 36.3
5	42 138.6	10 33.0
6	34 112.2	15 49.5
7		
8		
9		
10		
T	679.8	214.5
$\bar{x}$	113.3	35.8

Sertoli Cells:

Remarks:

E = 16.5 μ (2)

No. 16-173 Date X/60

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	43 - 141.9	
2	50 165.0	
3	47 155.1	
4	49 161.7	
5	54 178.2	
6	44 145.2	
7	36 118.8	
8	40 132.0	
9	44 145.2	
10	51 168.3	
T	1511.4	
$\bar{x}$	151.1	

Sertoli Cells:

Remarks:

No. 16-174 Date X/60

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	17 - 56.1	
2	27 89.1	
3	24 79.2	
4	30 99.0	
5	20 66.0	
6	25 82.5	
7	23 75.9	
8	22 72.6	
9	24 79.2	
10	24 79.2	
T	778.8	
$\bar{x}$	77.9	

Sertoli Cells:

Remarks:

No. _____ Date _____

Observer _____

Interval between readings.	Middle diam.	Condition of pitch.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
Y		

Overall Cable _____

Remarks: _____

No. 16-177 Date 11/6/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	90 - 297.0	17 - 56.1
2	71 234.3	20 66.0
3	68 224.4	19 62.7
4	75 247.5	20 66.0
5	74 244.2	25 - 82.5
6	68 224.4	10 33.0
7	93 306.9	14 46.2
8	69 227.7	15 49.5
9	69 227.7	20 66.0
10	54 178.2	14 46.2
T	2412.3	574.2
$\bar{x}$	241.2	57.4

Sertoli Cells:

Remarks:

No. 16-178 Date 11/61

Spermatogenic Condition

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		93 - 306.9	20 - 66.0
2		76 250.8	16 52.8
3		73 240.9	15 49.5
4		76 250.8	19 62.7
5		70 231.0	27 89.1
6		79 260.7	25 82.5
7		90 297.0	16 52.8
8		89 293.7	22 72.6
9		93 306.9	12 39.6
10		71 234.3	25 82.5
T		2673.0	650.1
$\bar{x}$		267.3	65.0

Sertoli Cells: [illegible]

Remarks:

No. 16-179 Date 10/61

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	77	254.1	12	39.6
2	85	280.5	12	39.6
3	86	283.8	18	59.4
4	52	171.6	10	33.0
5	55	181.5	15	49.5
6	64	211.2	17	56.1
7	57	188.1	12	39.6
8	63	207.9	15	49.5
9	79	260.7	13	42.9
10	85	280.5	12	39.6
T		2319.9		448.8
$\bar{x}$		232.0		44.9

Sertoli Cells:

Remarks:

No. 16-184 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 168.3	16 - 52.8
2	60 198.0	14 46.2
3	52 171.6	15 49.5
4	57 188.1	12 39.6
5	48 158.4	15 49.5
6	62 204.6	15 49.5
7	60 198.0	22 72.6
8	59 194.7	13 42.9
9	60 198.0	10 33.0
10	61 201.3	16 52.8
T	1881.0	488.4
$\bar{x}$	188.1	48.8

Sertoli Cells:

Remarks:

No. 16-185 Date 1V/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	79	234.3	13	42.9
2	62	204.6	17	56.1
3	54	178.2	11	36.3
4	65	214.5	15	49.5
5	64	211.2	15	49.5
6	71	234.3	20	66.0
7	56	184.8	10	33.0
8	58	191.4	10	33.0
9	78	257.4	26	85.8
10	64	217.8	15	49.5
T		2128.5		501.6
$\bar{x}$		212.8		50.2

Sertoli Cells: seen

Remarks:

No. 16-187 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	14 - 46.2
2	66 217.8	11 36.3
3	70 231.0	10 33.0
4	61 201.3	17 56.1
5	60 198.0	14 46.2
6	54 178.2	14 46.2
7	60 198.0	20 66.0
8	56 184.8	10 33.0
9	58 191.4	19 62.7
10	60 198.0	15 49.5
T	1996.5	475.2
$\bar{x}$	199.6	47.5

Sertoli Cells:

Remarks:

No. 16-188 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	91 - 300.3	15 - 49.5
2	87 287.1	25 82.5
3	67 221.1	20 66.0
4	57 188.1	20 66.0
5	80 264.0	14 46.2
6	79 260.7	26 85.8
7	78 257.4	18 59.4
8	72 237.6	18 59.4
9	66 217.8	15 49.5
10	76 250.8	20 66.0
T	2484.9	630.3
$\bar{x}$	248.5	63.0

Sertoli Cells: pen

Remarks: 2,

No. 16-191 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	71	234.3	25	82.5
2	73	240.9	16	52.8
3	55	181.5	21	69.3
4	52	171.6	16	52.8
5	50	165.0	15	49.5
6	84	277.2	26	85.8
7	71	234.3	26	85.8
8	70	231.0	25	82.5
9	72	237.6	11	36.3
10	44	145.2	12	39.6
T		2118.6		636.9
$\bar{x}$		211.9		63.7

Sertoli Cells:

Remarks:

E = 52.8 μ (2)

No. 16-192 Date 1/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	55	181.5	10	33.0
2	62	204.6	19	62.7
3	75	247.5	14	46.2
4	56	184.8	15	49.5
5	70	231.0	15	49.5
6	59	194.7	12	39.6
7	53	174.9	14	46.2
8	62	204.6	13	42.9
9	76	250.8	22	72.6
10	60	198.0	18	59.4
T		2072.4		501.6
$\bar{x}$		207.2		50.2

Sertoli Cells:

Remarks:

No. 16-194 Date 10/61

Spermatogenic Condition 7 ??

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	76 - 250.8	15 - 49.5
2	105 346.5	22 72.6
3	82 270.6	12 39.6
4	97 320.1	14 46.2
5	83 273.9	13 42.9
6	70 231.0	15 49.5
7		
8		
9		
10		
T	1692.9	300.3
$\bar{x}$	282.1	50.0

Sertoli Cells:

Remarks:

No. 16-195 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	72	237.6	19	62.7
2	76	250.8	15	49.5
3	62	204.6	17	56.1
4	58	191.4	11	36.3
5	61	201.3	15	49.5
6	51	168.3	12	39.6
7	71	234.3	18	59.4
8	65	214.5	18	59.4
9	57	188.1	18	59.4
10	76	250.8	15	49.5
T		2141.7		521.4
$\bar{x}$		214.2		52.1

Sertoli Cells:

Remarks:

No. 16-195 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	72	237.6	19	62.7
2	76	250.8	15	49.5
3	62	204.6	17	56.1
4	58	191.4	11	36.3
5	61	201.3	15	49.5
6	51	168.3	12	39.6
7	71	234.3	18	59.4
8	65	214.5	18	59.4
9	57	188.1	18	59.4
10	76	250.8	15	49.5
T		2141.7		521.4
$\bar{x}$		214.2		52.1

Sertoli Cells:

Remarks:

No. 16-196 Date 16/61

Spermatogenic Condition 2

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	23 - 75.9
2	63 207.9	18 59.4
3	65 214.5	12 39.6
4	67 221.1	15 49.5
5	52 171.6	16 52.8
6	52 171.6	10 33.0
7	69 227.7	15 49.5
8	67 221.1	17 56.1
9	57 188.1	14 46.2
10	70 231.0	15 49.5
T	2069.1	511.5
$\bar{x}$	206.9	51.2

Sertoli Cells:

Remarks:

No. 16-197 Date 4/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	80 - 264.0	16 - 52.8
2	59 194.7	25 82.5
3	66 217.8	15 49.5
4	84 277.2	14 46.2
5	66 217.8	15 49.5
6	87 287.1	18 59.4
7		
8		
9		
10		
T	1458.6	339.9
$\bar{x}$	243.1	56.6

Sertoli Cells:

Remarks:

No. 16-199 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	75 - 247.5	15 - 49.5
2	74 244.2	12 39.6
3	76 250.8	19 62.7
4	68 224.4	20 66.0
5	71 234.3	25 82.5
6	74 244.2	15 49.5
7	62 204.6	13 42.9
8	71 234.3	22 72.6
9	87 287.1	23 75.9
10	80 264.0	29 95.7
T	2435.4	636.9
$\bar{x}$	243.5	63.7

Sertoli Cells:

Remarks:

$\bar{E}$ = 42.9 μ

No. 16-200 Date 14/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	76 - 250.8	12 - 39.6
2	76 250.8	10 33.0
3	78 257.4	31 102.3
4	77 254.1	17 56.1
5	80 264.0	23 75.9
6	68 224.4	20 66.0
7	71 234.3	17 56.1
8	79 260.7	25 82.5
9	81 267.3	15 49.5
10	72 237.6	19 62.7
T	2501.4	623.7
$\bar{x}$	250.1	62.4

Sertoli Cells:

Remarks:

E= 36.3 μ

(3)

No. 16-202 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	62 - 204.6	11 - 36.3
2	85 280.5	17 56.1
3	73 240.9	15 49.5
4	78 257.4	19 62.7
5	91 300.3	21 69.3
6	63 207.9	14 46.2
7	73 240.9	14 46.2
8	65 214.5	21 69.3
9	76 250.8	16 52.8
10	54 178.2	14 46.2
T	2376.0	534.6
$\bar{x}$	237.6	53.5

Sertoli Cells:

Remarks: large intertubular spaces

No. 16-203 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	58	191.4	13	42.9
2	80	264.0	15	49.5
3	67	221.1	18	59.4
4	80	264.0	10	33.0
5	67	221.1	11	36.3
6	79	260.7	18	59.4
7	97	320.1	20	66.0
8	91	300.3	17	56.1
9	81	267.3	22	72.6
10	89	293.7	20	66.0
T		2603.7		541.2
$\bar{x}$		260.4		54.1

Sertoli Cells:

Remarks:

No. 16-204 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	71 - 234.3	15 - 49.5
2	74 244.2	18 59.4
3	54 178.2	12 39.6
4	64 211.2	15 49.5
5	70 231.0	18 59.4
6	50 165.0	19 62.7
7	74 244.2	17 56.1
8	66 217.8	20 66.0
9	62 204.6	15 49.5
10	58 191.4	13 42.9
T	2121.9	534.6
$\bar{x}$	212.2	53.5

Sertoli Cells:

Remarks:

E= 42.9 μ (2)

No. 16-205 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	65	214.5	15	49.5
2	68	224.4	20	66.0
3	72	237.6	13	42.9
4	63	207.9	17	56.1
5	69	227.7	16	52.8
6	86	283.8	26	85.8
7	78	257.4	20	66.0
8	63	207.9	11	36.3
9	63	207.9	16	52.8
10	76	250.8	15	49.5
T		2319.9		557.7
$\bar{x}$		232.0		55.8

Sertoli Cells:

Remarks:

P

No. 16-211 Date 4/61

Spermatogenic Condition 8 ?

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$		

Sertoli Cells:

Remarks: invasion of "syncitium-like" tissue into tubules

No. 16-212 Date 1/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	70 - 231.0	16 - 52.8
2	91 300.3	19 62.7
3	71 234.3	15 - 49.5
4	87 287.1	19 62.7
5	75 247.5	16 52.8
6	94 310.2	31 102.3
7	81 267.3	22 72.6
8	45 148.5	13 42.9
9	73 240.9	16 52.8
10	80 264.0	12 39.6
T	2531.1	590.7
$\bar{x}$	253.1	59.1

Sertoli Cells:

Remarks:

No. 16-213 Date 4/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	84 - 267.3	20 - 66.0
2	53 174.9	11 36.3
3	68 224.4	18 59.4
4	60 198.0	15 49.5
5	67 221.1	13 42.9
6	81 267.3	19 62.7
7	78 257.4	16 52.8
8	63 207.9	13 42.9
9	69 227.7	20 66.0
10	68 224.4	15 49.5
T	2270.4	528.0
$\bar{x}$	227.0	52.8

Sertoli Cells:

Remarks:

E = 49.5 μ (2)

No. 16-214 Date 1/61

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	72 - 237.6	21 - 69.3
2	58 191.4	15 49.5
3	65 214.5	19 62.7
4	51 168.3	11 36.3
5	67 221.1	15 49.5
6	68 224.4	11 36.3
7	79 260.7	19 62.7
8	72 237.6	14 46.2
9	68 224.4	16 52.8
10	51 168.3	13 42.9
T	2148.3	508.2
$\bar{x}$	214.8	50.8

Sertoli Cells:

Remarks:

No. 16-216 Date 4/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	73 - 240.9	13 - 42.9
2	66 217.8	10 33.0
3	94 310.2	16 52.8
4	95 313.5	26 85.8
5	83 273.9	14 46.2
6	70 231.0	17 56.1
7	96 316.8	21 69.3
8	78 257.4	15 49.5
9	82 270.6	20 66.0
10	74 244.2	17 56.1
T	2676.3	557.4
$\bar{x}$	267.6	55.7

Sertoli Cells:

Remarks:

No. 16-217 Date 4/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	58	191.4	18	59.4
2	73	240.9	16	52.8
3	52	171.6	10	33.0
4	51	168.3	22	72.6
5	50	165.0	9	29.7
6	65	214.5	20	66.0
7	53	174.9	10	33.0
8	50	165.0	15	49.5
9	65	214.5	16	52.8
10	70	231.0	15	49.5
T		1937.1		498.3
$\bar{x}$		193.7		49.8

Sertoli Cells:

Remarks: "gastrula" like nuclei in 2° spermatocyte position

No. 16-221 Date 4/6/61

Spermatogenic Condition 2

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	68 - 198.0	18 - 59.4
2	50 165.0	15 49.5
3	61 201.3	15 49.5
4	86 283.8	15 49.5
5	68 224.4	28 92.4
6	58 191.4	15 49.5
7	57 188.1	11 36.3
8	55 181.5	13 42.9
9	62 204.6	11 36.3
10	56 184.8	21 69.3
T	2022.9	534.6
$\bar{x}$	202.3	53.5

Sertoli Cells: seen

Remarks:

E = 26.4 μ

2

No. 16-223 Date VI.9/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	78 - 257.4	23 - 75.9
2	65 214.5	23 75.9
3	90 297.0	15 49.5
4	74 244.2	19 62.7
5	73 240.9	13 42.9
6	81 267.3	20 66.0
7	70 231.0	21 69.3
8	74 244.2	16 52.8
9	86 283.8	18 59.4
10	92 303.6	16 52.8
T	2351.9	607.2
$\bar{x}$	235.2	60.7

Sertoli Cells:

Remarks:

No. 16-224 Date VI6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 227.7	13 - 42.9
2	76 250.8	17 56.1
3	60 198.0	20 66.0
4	63 207.9	20 66 0
5	83 273.9	17 56.1
6	78 257.4	19 62.7
7	83 273.9	13 42.9
8	74 244.2	29 95.7
9	57 188.1	15 49.5
10	86 283.8	15 49.5
T	2405.7	587.4
$\bar{x}$	240.6	58.7

Sertoli Cells:

Remarks:

No. 16-226 Date VI/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	56	184.8	11	36.3
2	55	181.5	18	59.4
3	51	168.3	18	59.4
4	58	191.4	17	56.1
5	70	231.0	15	49.5
6	59	194.7	16	52.8
7	68	224.4	14	46.2
8	55	181.5	21	69.3
9	70	231.0	17	56.1
10	46	151.8	14	46.2
T		1940.4		531.0
$\bar{x}$		194.0		53.1

Sertoli Cells:

Remarks: some tubules still producing sperm

No. 16-2~~29~~ 30 Date ~~10/63~~ VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	58	191.4	12	39.6
2	66	217.8	10	33.0
3	70	231.0	11	36.3
4	75	247.5	18	59.4
5	68	224.4	15	49.5
6	82	270.6	15	49.5
7	62	204.6	19	62.7
8	60	198.0	15	49.5
9	65	214.5	15	49.5
10	71	234.3	18	59.4
T		2234.1		488.4
$\bar{x}$		223.4		48.8

Sertoli Cells:

Remarks: Large intertubular spaces

E = 49.5 μ

①

No. 16-232 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	100	330.0	25	82.5
2	105	346.5	23	75.9
3	85	280.5	26	85.8
4	65	214.5	21	69.3
5	85	280.5	22	72.6
6	68	224.4	15	49.5
7	88	290.4	27	89.1
8	68	224.4	15	49.5
9	76	250.8	17	56.1
10	72	237.6	18	59.4
T		2679.0		689.7
$\bar{x}$		267.9		69.0

Sertoli Cells:

Remarks: good example of cells dividing concentrically - ? going thru stage 9 while still in 6? no evidence of tubule breakdown

No. 16-233 Date 11/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	92	303.6	15	49.5
2	81	267.3	16	52.8
3	62	204.6	13	42.9
4	43	141.9	13	42.9
5	94	310.2	15	49.5
6	87	287.1	25	82.5
7	72	237.6	15	49.5
8	74	244.2	20	66.0
9	84	277.2	24	79.2
10	64	211.2	19	62.7
T		2484.9		577.5
$\bar{x}$		248.5		57.8

Sertoli Cells:

Remarks:

No. 16-234 Date 4/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	61 - 201.3	21 - 69.3
2	50 165.0	18 59.4
3	65 214.5	15 49.5
4	61 201.3	12 39.6
5	57 188.1	12 39.6
6	75 247.5	17 56.1
7	58 191.4	20 66.0
8	67 221.1	20 66.0
9	78 257.4	18 59.4
10	74 244.2	17 56.1
T	2131.8	561.0
$\bar{x}$	213.2	56.1

Sertoli Cells:

Remarks:

E = 33.0 μ (1)

No. 16-235 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	67	221.1	18	59.4
2	57	188.1	18	59.4
3	76	250.8	20	66.0
4	79	260.7	25	82.5
5	54	178.2	20	66.0
6	58	191.4	19	62.7
7	74	244.2	16	52.8
8	88	290.4	21	69.3
9	88	290.4	12	39.6
10	68	224.4	25	82.5
T		2339.7		640.2
$\bar{x}$		234.0		64.0

Sertoli Cells:

Remarks:

E = 42.9 μ

(1)

No. 16-238 Date 4/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	67 - 221.1	20 - 66.0
2	51 168.3	17 56.1
3	63 207.9	16 52.8
4	50 165.0	16 52.8
5	56 184.8	15 49.5
6	47 155.1	15 49.5
7	72 237.6	13 42.9
8	48 158.4	15 49.5
9	66 217.8	12 39.6
10	68 224.4	16 52.8
T	1940.4	511.5
$\bar{x}$	194.0	51.2

Sertoli Cells: seen

Remarks:

E= 42.9 μ

(3)

No. 16-240 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	56 - 184.8	20 - 66.0
2	58 191.4	12 39.6
3	56 184.8	10 33.0
4	65 214.5	14 46.2
5	66 217.8	17 56.1
6	61 201.3	12 39.6
7	65 214.5	15 49.5
8	57 188.1	10 33.0
9	54 178.2	11 36.3
10	56 184.8	10 33.0
T	1960.2	432.3
$\bar{x}$	196.0	43.2

Sertoli Cells:

Remarks:

E= 46.2 μ (3)

No. 16-243 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	65	214.5	15	49.5
2	63	207.9	23	75.9
3	71	234.3	20	66.0
4	80	264.0	17	56.1
5	72	237.6	15	49.5
6	56	184.8	15	49.5
7	60	198.0	17	56.1
8	61	201.3	10	33.0
9	47	155.1	18	59.4
10	70	231.0	15	49.5
T		2128.5		544.5
$\bar{x}$		212.8		54.4

Sertoli Cells:

Remarks:

No. 16-246 Date 01/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	60 - 198.0	19 - 62.7
2	65 214.5	12 39.6
3	52 171.6	14 46.2
4	68 224.4	25 82.5
5	71 234.3	22 72.6
6	42 138.6	10 33.0
7	67 221.1	20 66.0
8	60 198.0	20 66.0
9	82 270.6	23 75.9
10	71 234.3	16 52.8
T	2105.4	597.3
$\bar{x}$	210.5	59.7

Sertoli Cells:

Remarks:

E = 16.5 μ

(4)

No. 16-247 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	55	181.5	12	39.6
2	54	178.2	18	59.4
3	75	247.5	23	75.9
4	70	231.0	25	82.5
5	54	178.2	17	56.1
6	55	181.5	20	66.0
7	48	158.4	13	42.9
8	48	158.4	12	39.6
9	73	240.9	17	56.1
10	55	181.5	16	52.8
T		1937.1		570.9
$\bar{x}$		193.7		57.1

Sertoli Cells:

Remarks:

E = 16.2 μ

(1)

No. 16-248 Date 11/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	76	250.8	25	82.5
2	65	214.5	21	69.3
3	55	181.5	21	69.3
4	70	231.0	20	66.0
5	52	171.6	15	49.5
6	53	174.9	9	29.7
7	62	204.6	10	33.0
8	62	204.6	14	46.2
9	61	201.3	11	36.3
10	57	188.1	15	49.5
T		2022.9		531.3
$\bar{x}$		202.3		53.1

Sertoli Cells:

Remarks: large intertubular spaces

E = 19.8 μ (2)

No. 16-250 Date 11/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	72	237.6	12	39.6
2	65	214.5	11	36.3
3	50	165.0	10	33.0
4	75	247.5	18	59.4
5	61	201.3	22	39.6
6	83	273.9	10	33.0
7	73	240.9	14	46.2
8	70	231.0	22	72.6
9	61	201.3	10	33.0
10	66	217.8	19	62.7
T		2230.8		455.4
$\bar{x}$		223.1		45.5

Sertoli Cells:

Remarks: large intertubular spaces

E = 66.0 μ

(2)

No. 16-251 Date 4/10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 174.9	12 - 39.6
2	57 188.1	17 56.1
3	63 207.9	15 49.5
4	59 194.7	15 49.5
5	54 178.2	8 26.4
6	62 204.6	15 49.5
7	52 171.6	20 66.0
8	43 141.9	11 36.3
9	45 148.5	11 36.3
10	46 151.8	11 36.3
T	1762.2	445.5
$\bar{x}$	176.2	44.6

Sertoli Cells:

Remarks:

No. 16-252 Date V 16/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	14 - 46.2
2	62 204.6	16 52.8
3	62 204.6	20 66.0
4	68 224.4	17 56.1
5	49 161.7	10 33.0
6	74 244.2	21 69.3
7	73 240.9	23 75.9
8	67 221.1	22 72.6
9	61 201.3	15 49.5
10	60 198.0	14 46.2
T	2098.8	567.6
$\bar{x}$	209.9	56.8

Sertoli Cells:

Remarks:

$\bar{E}$ = 16.5 μ

1

No. 16-254 Date Vd/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	70 - 231.0	10 - 33.0
2	73 240.9	15 49.5
3	68 224.4	13 42.9
4	76 250.8	14 46.2
5	55 181.5	20 66.0
6	67 221.1	16 52.8
7	58 191.4	15 49.5
8	81 267.3	12 39.6
9	75 247.5	10 33.0
10	64 211.2	10 33.0
T	2267.1	445.5
$\bar{x}$	226.7	44.6

Sertoli Cells:

Remarks:

No. 16-258 Date Vol/61

Spermatogenic Condition 2 ?

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	64 - 201.3	19 - 62.7
2	64 211.2	19 62.7
3	50 165.0	14 46.2
4	52 171.6	9 29.7
5	68 224.4	14 46.2
6	65 214.5	14 46.2
7	66 217.8	19 62.7
8	81 267.3	15 49.5
9	64 211.2	15 49.5
10	56 184.8	10 33.0
T	2069.1	488.4
$\bar{x}$	206.9	48.8

Sertoli Cells: seen

Remarks: 1° spermatocytes dividing but few others

No. 16-359 Date 4/4/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	15 - 49.5
2	61 201.3	10 33.0
3	62 204.6	14 46.2
4	60 195.0	12 39.6
5	66 217.8	10 33.0
6	51 168.3	13 42.9
7	63 207.9	25 82.5
8	50 165.0	19 62.7
9	36 118.8	14 46.2
10	59 194.7	15 49.5
T	1890.9	485.1
$\bar{x}$	189.1	48.5

Sertoli Cells:

Remarks: large intertubular spaces

E-39.6

3

No. 16-260 Date 04/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	93 - 306.9	20 - 66.0
2	80 264.0	13 42.9
3	99 326.7	15 49.5
4	76 250.8	18 59.4
5	59 194.7	16 52.8
6	85 280.5	15 49.5
7	75 247.5	16 52.8
8	71 234.3	15 49.5
9	83 273.9	15 49.5
10	95 313.5	30 99.0
T	2692.8	570.9
$\bar{x}$	269.3	57.1

Sertoli Cells:

Remarks:

No. 16-261 Date VIII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	70	231.0	22	72.6
2	65	214.5	14	46.2
3	50	165.0	18	59.4
4	49	161.7	10	33.0
5	45	148.5	14	46.2
6	62	204.6	10	33.0
7	56	184.8	10	33.0
8	46	151.8	17	56.1
9	40	132.0	14	46.2
10	53	174.9	18	59.4
T		1768.8		485.1
$\bar{x}$		176.9		48.5

Sertoli Cells:

Remarks: tubules widely separated

No. 16-262 Date VIII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	67 - 221.1	20 - 66.0
2	53 174.9	10 33.0
3	54 178.2	11 36.3
4	60 198.0	20 66.0
5	58 191.4	18 59.4
6	72 237.6	23 75.9
7	75 247.5	18 59.4
8	65 214.5	12 39.6
9	66 217.8	20 66.0
10	55 181.5	21 69.3
T	2062.5	570.9
$\bar{x}$	206.2	57.1

Sertoli Cells:

Remarks: tubules widely separated

E = 26.4 μ (3)

No. 16-269 Date VIII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	50 - 165.0	10 - 33.0
2	54 178.2	18 59.4
3	40 132.0	15 49.5
4	37 122.1	15 49.5
5	42 138.6	10 33.0
6	36 118.8	15 49.5
7	37 122.1	11 36.3
8	32 105.6	11 36.3
9	43 141.9	18 59.4
10	50 165.0	13 42.9
T	1389.3	448.5
$\bar{x}$	138.9	44.8

Sertoli Cells:

Remarks: Tubules separated

No. 16-264 Date VIII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	40	132.0	6	19.8
2	43	141.9	8	26.4
3	46	151.8	13	42.9
4	52	184.8	11	36.3
5	58	191.4	13	42.9
6	49	161.7	12	39.6
7	60	198.0	16	52.8
8	37	122.1	10	33.0
9	55	181.5	12	39.6
10	48	158.4	8	26.4
T		1623.6		359.7
$\bar{x}$		162.4		36.0

Sertoli Cells:

Remarks: tubules separated

No. 16-268 Date IX/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	32 - 105.6	
2	28 92.4	
3	30 99.0	
4	31 102.3	
5	35 115.5	
6	38 125.4	
7	35 115.5	
8	33 108.9	
9	33 108.9	
10	32 105.6	
T	1079.1	
$\bar{x}$	107.9	

Sertoli Cells:

Remarks:

No. 16-271 Date 1X/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	28 - 92.4	
2	26 85.8	
3	24 79.2	
4	40 132.0	
5	41 135.3	
6	32 105.6	
7	28 92.4	
8	33 108.9	
9	36 118.8	
10	29 95.7	
T	1046.1	
$\bar{x}$	104.6	

Sertoli Cells:

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

	Internuclear Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
$\bar{x}$			

Sertoli Cells: _____

Remarks: _____

No. 16-273 Date IX/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	68 - 224.4	7 - 23.1
2	55 181.5	10 33.0
3	61 201.3	8 26.4
4	43 141.9	10 33.0
5	44 145.2	10 33.0
6	43 141.9	11 36.3
7	45 148.5	10 33.0
8	40 132.0	10 33.0
9	49 161.7	14 46.2
10	42 138.6	15 49.5
T	1617.0	346.5
$\bar{x}$	161.7	34.6

Sertoli Cells:

Remarks: tubules starting to separate

No. 16-274 Date X/61

Spermatogenic Condition ? 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	19 - 62.7	
2	21 69.3	
3	20 66.0	
4	23 75.9	
5	23 75.9	
6	20 66.0	
7	21 69.3	
8	24 79.2	
9	24 79.2	
10	26 85.8	
T	729.3	
$\bar{x}$	72.9	

Sertoli Cells:

Remarks: tubules separated

No. 16-279 Date 10/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	67	221.1	16	52.8
2	69	227.7	14	46.2
3	60	198.0	18	59.4
4	70	231.0	15	49.5
5	70	231.0	25	82.5
6	62	204.6	16	52.8
7	68	224.4	20	66.0
8	66	217.8	15	49.5
9	52	171.6	9	29.7
10	79	260.7	19	62.7
T		2187.9		551.1
$\bar{x}$		218.8		55.1

Sertoli Cells:

Remarks: 6 central tubules separated

No. 16-280 Date 1/4/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	76 - 250.8	14 - 52.8
2	82 270.6	20 66.0
3	77 254.1	15 49.5
4	71 234.3	13 42.9
5	70 231.0	22 72.6
6	61 201.3	22 72.6
7		
8		
9		
10		
T	1442.1	356.4
$\bar{x}$	240.3	59.4

Sertoli Cells:

Remarks:

No. 10-282 Date 10/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 188.1	12 - 39.6
2	69 227.7	13 42.9
3	60 198.0	14 46.2
4	44 145.2	15 49.5
5	60 198.0	16 52.8
6	65 214.5	20 66.0
7	50 165.0	15 49.5
8	65 214.5	18 59.4
9	77 254.1	21 69.3
10	48 158.4	15 49.5
T	1963.5	524.7
$\bar{x}$	196.4	52.5

Sertoli Cells:

Remarks:

No. 16-283 Date 12/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	76 - 316.8	20 - 66.0
2	83 273.9	25 82.5
3	74 244.2	11 36.3
4	66 217.8	15 49.5
5	83 273.9	17 56.1
6	85 280.5	20 66.0
7	77 254.1	15 49.5
8	66 217.8	15 49.5
9	69 227.7	23 75.9
10	73 240.9	15 49.5
T	2547.6	580.8
$\bar{x}$	254.8	58.1

Sertoli Cells:

Remarks:

$\bar{E}$ = 39.6 μ

(3)

No. 16-284 Date 1/4/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	67 - 221.1	14 - 46.2
2	52 171.6	14 46.2
3	65 214.5	16 52.8
4	51 168.3	15 49.5
5	57 188.1	15 49.5
6	48 158.4	15 49.5
7	54 178.2	12 39.6
8	44 145.2	10 33.0
9	61 201.3	15 49.5
10	67 221.1	15 49.5
T	1867.8	465.3
$\bar{x}$	186.8	46.5

Sertoli Cells:

Remarks:

$\bar{E}$ = 19.8 μ

3

No. 16-287 Date 10/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	66 - 217.8	10 - 33.0
2	68 224.4	15 49.5
3	89 293.7	12 39.6
4	89 293.7	16 52.8
5	62 204.6	10 33.0
6	70 231.0	18 59.4
7	68 224.4	11 36.3
8	56 184.8	20 66.0
9	63 207.9	20 66.0
10	55 181.5	10 33.0
T	2263.8	468.6
$\bar{x}$	226.4	46.9

Sertoli Cells:

Remarks: Tubules separated

EE 33.0 μ

No. 16-788 Date 10/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	78 - 257.4	17 - 56.1
2	80 264.0	20 66.0
3	67 221.1	26 85.8
4	68 224.4	15 49.5
5	66 217.8	16 52.8
6	62 204.6	17 56.1
7	80 264.0	18 59.4
8	82 270.6	26 85.8
9	67 221.1	16 52.8
10	97 320.1	30 99.0
T	2465.1	663.3
$\bar{x}$	246.5	66.3

Sertoli Cells:

Remarks:

E=52.8 μ

(2)

No. 10-295 Date 11/6/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	10 - 231.0	22 - 72.6
2	43 - 141.9	15 - 49.5
3	54 178.2	10 33.0
4	59 194.7	18 59.4
5	58 191.4	12 39.6
6	60 198.0	16 52.8
7	55 - 181.5	14 46.2
8	57 188.1	14 46.2
9	44 145.2	9 29.7
10	48 158.4	10 33.0
T	1808.4	462.0
$\bar{x}$	180.8	46.2

Sertoli Cells:

Remarks:

No. 16-296 Date 11/6/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	74 - 244.2	15 - 49.5
2	88 290.4	20 66.0
3	93 307.9	17 56.1
4	86 283.8	13 42.9
5	80 264.0	15 49.5
6	79 260.7	18 59.4
7	71 234.3	15 49.5
8	65 214.5	15 49.5
9	65 214.5	17 56.1
10	65 214.5	18 59.4
T	2428.8	537.9
$\bar{x}$	242.9	53.8

Sertoli Cells:

Remarks: separated tubules

E= 49.5 μ (2)

No. 16-298 Date VI6/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	75 - 247.5	11 - 36.3
2	55 181.5	12 39.6
3	60 198.0	11 36.3
4	41 135.3	10 33.0
5	46 151.8	11 36.3
6	49 161.7	12 39.6
7	70 231.0	15 49.5
8	58 191.4	11 36.3
9	53 174.9	16 52.8
10	50 165.0	15 49.5
T	1838.1	409.2
$\bar{x}$	183.8	40.9

Sertoli Cells:

Remarks: Tubules separated

No. 16 - 301 Date VII / 62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	64 - 211.2	12 - 39.6
2	60 198.0	12 39.6
3	58 191.4	10 33.0
4	66 217.8	18 59.4
5	52 171.6	17 56.1
6	66 217.8	12 39.6
7	60 198.0	12 39.6
8	65 214.5	14 46.2
9	47 155.1	10 33.0
10	58 191.4	15 49.5
T	1966.8	435.6
$\bar{x}$	196.7	43.6

Sertoli Cells:

Remarks:

E = 19.8 μ (3)

No. 16-302 Date VII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	56 - 184.8	13 - 42.9
2	53 174.9	15 49.5
3	46 151.8	12 39.6
4	87 287.1	15 49.5
5	45 148.5	15 49.5
6	58 191.4	20 66.0
7	45 148.5	9 29.7
8	55 181.5	10 33.0
9	47 155.1	12 39.6
10	53 174.9	14 46.2
T	1798.5	445.5
$\bar{x}$	179.8	44.6

Sertoli Cells:

Remarks:

E = 39.6 μ (2)

No. 16-303 Date VII/62

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	21 - 69.3	
2	24 79.2	
3	20 66.0	
4	18 59.4	
5	20 66.0	
6	21 69.3	
7	21 69.3	
8	21 69.3	
9	26 85.8	
10	19 62.7	
T	696.3	
$\bar{x}$	69.6	

Sertoli Cells:

Remarks:

E=26.4 μ (1)

No. 16-306 Date 1/11/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	55 - 181.5	16 - 52.8
2	70 231.0	22 72.6
3	73 240.9	13 42.9
4	58 191.4	10 33.0
5	60 198.0	10 33.0
6	53 174.9	10 33.0
7	53 174.9	10 33.0
8	54 178.2	15 49.5
9	61 201.3	10 33.0
10	80 264.0	16 52.8
T	2036.1	435.6
$\bar{x}$	203.6	43.6

Sertoli Cells:

Remarks: tubules widely separated

No. 16-307 Date 4/11/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	40 - 132.0	12 - 39.6
2	43 141.9	14 46.2
3	54 178.2	16 52.8
4	55 181.5	16 52.8
5	52 171.6	20 66.0
6	40 132.0	10 33.0
7	46 151.8	10 33.0
8	48 158.4	12 39.6
9	43 141.9	12 39.6
10	61 201.3	15 49.5
T	1590.6	452.1
$\bar{x}$	159.1	45.2

Sertoli Cells:

Remarks:

No. 16-310 Date VIII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	48	158.4	10	33.0
2	56	184.8	21	69.3
3	43	141.9	10	33.0
4	50	165.0	10	33.0
5	51	168.3	10	33.0
6	43	141.9	9	29.7
7	47	155.1	10	33.0
8	40	132.0	10	33.0
9	38	125.4	17	56.1
10	51	168.3	12	39.6
T		1541.1		392.7
$\bar{x}$		154.1		39.3

Sertoli Cells:

Remarks: tubule widely separated

No. 16-311 Date VII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	48	158.4	10	33.0
2	58	191.4	18	59.4
3	57	188.1	18	59.4
4	53	174.9	15	49.5
5	56	184.8	20	66.0
6	51	168.3	13	42.9
7	56	184.8	8	26.4
8	61	201.3	19	62.7
9	51	168.3	15	49.5
10	53	174.9	16	52.8
T		1795.2		501.6
$\bar{x}$		179.5		50.2

Sertoli Cells:

Remarks:

No. 16 - 313 Date VIII / 62

Spermatogenic Condition E 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	68	224.4	15	49.5
2	45	148.5	12	39.6
3	59	194.7	12	39.6
4	68	224.4	15	49.5
5	64	211.2	14	46.2
6	63	207.9	12	39.6
7	52	171.6	23	75.9
8	60	198.0	18	59.4
9	61	201.3	15	49.5
10	40	132.0	10	33.0
T		191.40		481.8
$\bar{x}$		191.4		48.2

Sertoli Cells:

Remarks: Tubules separated

No. 16-315 Date IX/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	48 - 158.4	
2	45 148.5	
3	32 105.6	
4	45 148.5	
5	40 132.0	
6	53 174.9	
7	25 82.5	
8	46 151.8	
9	34 112.2	
10	43 141.9	
T	1356.3	
$\bar{x}$	135.6	

Sertoli Cells:

Remarks:

E = 23.1 μ

(2)

No. 16-317 Date IX/62

Spermatogenic Condition 3

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	32 - 105.6	
2	24 85.8	
3	28 92.4	
4	23 75.9	
5	32 105.6	
6	41 135.3	
7	24 85.8	
8	28 92.4	
9	29 95.7	
10	30 99.0	
T	973.5	
$\bar{x}$	97.4	

Sertoli Cells:

Remarks:

No. 16-318 Date 10/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	76 - 250.8	15 - 49.5
2	59 194.7	13 42.9
3	57 188.1	18 59.4
4	62 204.6	12 39.6
5	69 227.7	22 72.6
6	69 227.7	14 46.2
7	90 297.0	25 82.5
8	59 194.7	12 39.6
9	64 211.2	28 92.4
10	67 221.1	17 56.1
T	2217.6	580.8
$\bar{x}$	221.8	58.1

Sertoli Cells:

Remarks:

No. 16-320 Date 10/63

Spermatogenic Condition ?

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	37 - 122.1	
2	38 125.4	
3	47 155.1	
4	30 99.0	
5	39 128.7	
6	33 108.9	
7	28 92.4	
8	31 102.3	
9	34 112.2	
10	33 108.9	
T	1155.0	
$\bar{x}$	115.5	

Sertoli Cells:

Remarks:

No. 16-322 Date 10/63

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	40 - 132.0	
2	43 141.9	
3	42 138.6	
4	50 165.0	
5	58 191.4	
6	47 155.1	
7	32 105.6	
8	43 141.9	
9	52 171.6	
10	60 198.0	
T	1541.1	
$\bar{x}$	154.1	

Sertoli Cells:

Remarks: all stages present, lumina not developing; layer of metamorphosing spermatids appears to be sloughing off from wall of tubule

No. 16-323 Date 10/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	67	201.3	18	59.4
2	64	211.2	22	72.6
3	83	273.9	17	56.1
4	72	237.6	25	82.5
5	80	264.0	24	79.2
6	61	201.3	20	66.0
7	68	224.4	22	72.6
8	82	270.6	15	49.5
9				
10				
T		1884.3		537.9
$\bar{x}$		235.5		67.2

Sertoli Cells:

Remarks:

101.8 x 23.3 - x-section of metaphase

No. 16-324 Date 11/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	55 - 181.5	10 - 33.0
2	56 184.8	13 42.9
3	66 217.8	20 66.0
4	61 201.3	20 66.0
5	60 198.0	16 52.8
6	65 214.5	10 33.0
7	57 188.1	16 52.8
8	55 181.5	10 33.0
9	88 290.4	20 66.0
10	69 227.7	11 36.3
T	2085.6	481.8
$\bar{x}$	208.6	48.2

Sertoli Cells:

Remarks:

E = 36.3 μ

3

No. 16-326 Date 16/6 3

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	60 - 198.0	14 - 46.2
2	43 141.9	18 59.4
3	48 158.4	14 46.2
4	46 151.8	8 26.4
5	58 191.4	10 33.0
6	31 102.3	6 19.8
7	51 168.3	18 59.4
8	46 151.8	10 33.0
9	54 178.2	17 56.1
10	54 178.2	15 49.5
T	1620.3	429.0
$\bar{x}$	162.0	42.9

Sertoli Cells:

Remarks:

E = 33.0 μ

(2)

No. 16-329 Date 14/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	67 - 221.1	11 - 36.3
2	72 237.6	15 49.5
3	74 244.2	20 66.0
4	65 214.5	17 56.1
5	73 240.9	25 82.5
6	73 240.9	15 49.5
7	65 214.5	14 46.2
8	75 247.5	26 85.8
9	67 221.1	12 39.6
10	55 181.5	15 49.5
T	2263.8	561.0
$\bar{x}$	226.4	56.1

Sertoli Cells:

Remarks:

No. _____ Date _____

Spermatogenetic Condition _____

Intercellular Cell Membrane diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
M		
X		

Sertoli Cells: _____

Remarks: _____

No. 16-330 Date 14/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	79	234.3	17	56.1
2	72	237.6	21	69.3
3	80	264.0	34	112.2
4	73	240.9	17	56.1
5	62	204.6	11	36.3
6	79	260.7	20	66.0
7	56	283.8	22	72.6
8	79	260.7	10	33.0
9	78	257.4	18	59.4
10	65	214.5	20	66.0
T		2458.5		627.0
$\bar{x}$		245.8		62.7

Sertoli Cells:

Remarks:

$\bar{E}$ = 36.3 μ

(2)

No. _____ Date _____

Experimental Question

Intercellular Cell Communication		
Experiment Number.	Without Glue.	Glue Interface Method Used
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Σ		
$\bar{x}$		

Overall Cells: _____

Lessons: _____

No. 16-331 Date 11/63

Spermatogenic Condition 4

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)		Seminiferous epith. height	
1	85	280.5	28	92.4
2	65	214.5	16	52.8
3	100	330.0	23	75.9
4	72	237.6	15	49.5
5	75	247.5	20	66.0
6	62	204.6	28	92.4
7	66	217.8	10	33.0
8	76	250.8	15	49.5
9				
10				
T		1983.3 ~~1733.5~~		511.5
$\bar{x}$	247.9	~~247.5~~ ~~173.3~~		63.9

Sertoli Cells:

Remarks:

No. 16-334 Date 10/63

Spermatogenic Condition

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$		

Sertoli Cells:

Remarks: tissue unrecognizable

No. 16-338 Date 1/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	60 - 198.0	13 - 42.9
2	64 211.2	20 66.0
3	80 264.0	18 59.4
4	56 184.8	15 49.5
5	61 201.3	18 59.4
6		
7		
8		
9		
10		
T	1059.3	277.2
$\bar{x}$	211.8	55.4

Sertoli Cells: none

Remarks:

No. 16-340 Date 1/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	52 - 184.8	16 - 52.8
2	68 224.4	20 66.0
3	50 165.0	14 46.2
4	76 250.8	16 52.8
5	62 204.6	16 52.8
6		
7		
8		
9		
10		
T	1029.6	270.6
$\bar{x}$	205.9	54.1

Sertoli Cells:

Remarks: tubules widely separated, falling apart

No. 16-343 Date 1/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	58 - 191.4	13 - 42.9
2	62 204.6	11 36.3
3	60 198.0	10 33.0
4	58 191.4	12 39.6
5	60 198.0	12 39.6
6	52 171.6	11 36.3
7	53 174.9	15 49.5
8	66 217.8	17 56.1
9	57 188.3	13 42.9
10	53 174.9	12 39.6
T	1890.9	415.8
$\bar{x}$	189.1	41.6

Sertoli Cells:

Remarks:

No. _____ Date _____

Spermatogenic Condition _____

Intercellular Cell nucleus diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
M		

Sertoli Cells: _____

Remarks: _____

No. 16-345 Date 1/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. (2)	Seminiferous epith. height
1	58 - 191.4	11 - 36.3
2	60 198.0	10 33.0
3	60 198.0	18 59.4
4	61 201.3	15 49.5
5	71 234.3	11 36.3
6	62 204.6	11 36.3
7	63 207.9	13 42.9
8		
9		
10		
T	1435.5	293.7
$\bar{x}$	205.0	42.0

Sertoli Cells:

Remarks:

E= 36.3μ (2)

No. 16-347 Date 4.63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.		Seminiferous epith. height	
1	49	161.7	14	46.2
2	91	300.3	20	66.0
3	69	227.7	19	62.7
4	82	270.6	17	56.1
5	65	214.5	16	52.8
6	67	221.1	9	29.7
7	86	283.8	15	49.5
8	50	165.0	14	46.2
9	53	174.9	17	56.1
10	53	174.9	12	39.6
T		2194.5		504.9
$\bar{x}$		219.4		50.5

Sertoli Cells:

Remarks:

No. 16-348 Date 4/63

Spermatogenic Condition ?

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	16 - 52.8
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
$\bar{x}$		

Sertoli Cells:

Remarks: Tissue most peculiar - 3 tubules seem normal ⊙, rest unidentifiable as to stage

E = 59.6 μ

(2)

No. 16-350 Date Vd/63

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	64 - 211.2	20 - 66.0
2	50 165.0	15 49.5
3	54 178.2	15 49.5
4	52 171.6	16 52.8
5	62 204.6	11 36.3
6	77 254.1	20 66.0
7	75 247.5	16 52.8
8	72 237.6	13 42.9
9	51 168.3	16 52.8
10	52 171.6	19 62.7
T	2009.7	531.3
$\bar{x}$	201.0	53.1

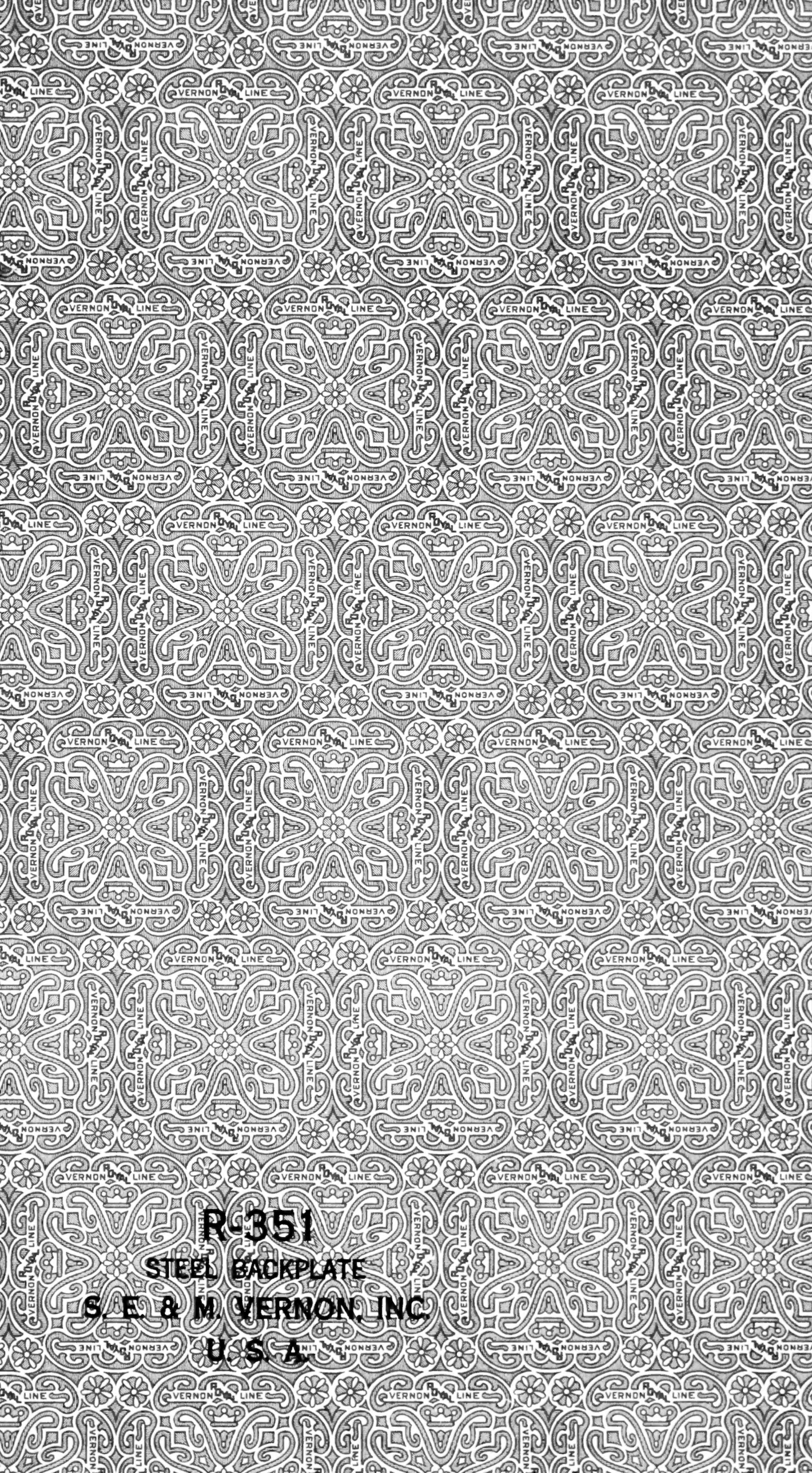
Sertoli Cells: seen

Remarks:

Interstitial Cell Nucleary diam.	Seminiferous tubule diam.	Seminiferous epith. height

Interstitial Cells:

Remarks: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